

National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Retail Motor Fuel Dispenser
Electronic Computing
Model: AD Series
Capacity: \$999.99 Total price
99.999 Volume Units
\$ 9.999 Unit Price

Submitted by:

Marconi Commerce Systems Inc.
(formerly Gilbarco Inc.)
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Standard Features and Options

* Specific model designation coding is listed on page 2.

Nozzles lane-oriented
High hose attachment
Stand-alone or console-controlled
Mechanical totalizer value up to 99,999.99 volume units
Battery back-up, up to 72 hours

Approved for use with stage II vapor recovery equipment when the systems and components are certified, and the dispensers comply with zero-set-back interlock requirements.

Optional Model:

RADXXXXX (Re-manufactured device)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: December 1, 1999

Gilbert M. Ugiansky, Ph.D.
Chief, Office of Weights and Measures
Issue Date: March 23, 2000

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Marconi Commerce Systems Inc.
Retail Motor Fuel Dispenser
Model: AD Series

Application: For use in dispensing gasoline in retail motor fuel service stations.

Identification: The identification is located on the inside panel of the column above the electronics for the dispenser.

Sealing: The pin for the meter calibrator may be sealed with a security seal.

Model Designations: The Marconi Commerce Systems Inc. model designation consists of a variety of entries based upon the dispenser configuration. The device is identified by the model designation ADXXXXXX where the XXXXX represents various device parameters. This device is known by the generic name of MPD-A3.

<u>Code Position</u>	<u>Description</u>
1 - Country of Origin	A USA
2 - Product	D Standard MPD-A3 Dispenser
3 - Type of Unit	1 - 6 hoses, 3 products 2 - 3 hoses, 3 products (front side only) 3 - 3 hoses, 3 products (back side only)
4 - Classification	0 Stand-alone 1 Readout (2-wire) 2 Preset (2-wire)
5 - Special Features	0 Standard 1 Full vapor recovery equipped 2 Vapor recovery boot only
6 - Display	0 5 digit display (XX.XXX) 1 5 digit display (XXX.XX) 2 Electronic price bar
7 - Major Revision	A Modular electronics No A Premodular electronics

Operation: The dispenser may be used as a stand-alone dispenser or interfaced with a service station console. It may have the unit price selected from the console with the pump handle "on" according to the requirements adopted at the 1986 NCWM.

Test Conditions: This Certificate is issued based upon information provided by the manufacturer to change the name of the company from the previous name, Gilbarco Inc., and to transfer ownership of the device covered under Certificate of Conformance Number 92-211 to Marconi Commerce Systems Inc. This Certificate is also issued to include the optional Model RADXXXXX (a re-manufactured device) that was originally covered under the Multi-CC Number 92-197A1. All institutional knowledge of the previous owner has been transferred to the new company. Test conditions for Certificate of Conformance Numbers 92-211 and 92-197A1 and the preceding Certificates are as follows:

Certificate of Conformance Number 92-211: This Certificate superseded Certificate of Conformance Number 92-211PN and was issued to upgrade the status of the Certificate from provisional pre-NTEP to full. No comments were received from the states concerning Certificate of Conformance Number 92-211PN. If no unfavorable comments are received concerning a pre-NTEP Certificate, NTEP policy and procedures permit the Certificate to be upgraded to a full status. This Certificate has been issued on a pre-NTEP basis without formal testing.

**Marconi Commerce Systems Inc.
Retail Motor Fuel Dispenser
Model: AD Series**

Test Conditions (Continued):

Certificate of Conformance Number 92-211PN: These devices have received type approval by individual states prior to the establishment of the National Type Evaluation Program. These devices have been in commercial use for many years. The NTEP Policy and Procedures permit NTEP to issue Certificates of Conformance based upon the approvals granted by PRE-NTEP jurisdictions. This Certificate was issued on this basis without formal NTEP testing.

Certificate of Conformance Number 92-197A1: This Certificate superseded Certificate of Conformance Number 92-197 and was issued to change capacities to cover either 5 or 6 digits for price and volume.

Certificate of Conformance Number 92-197: This Certificate was issued to list Gilbarco retail motor fuel dispensers which are re-manufactured within company-owned facilities. This Certificate was in addition to the original Certificates of Conformance. The manufacturer certifies that rebuilt equipment is cleaned, inspected, refurbished and tested, and any component or part such as meters (replacement meters are new), pulsers, displays, etc., not meeting specifications is rejected and replaced. Operation and performance are not altered.

The results of these evaluations indicate that the device complies with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1999 Edition

Pre-NTEP Type Approval: CA 1987

Information Reviewed By: R. Whipple (NIST), T. Grimes (NIST) 92-211; R. Whipple (NIST) 92-197; R. Suiter (NIST) and G. Newrock (NIST) 92-197A1; L. Sebring (NIST) and G. Newrock (NIST) 99-178